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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/847,813	05/01/2001	Curt Wohlgemuth	30126-8010.US01	6351
22918	7590	01/08/2008		
PERKINS COIE LLP P.O. BOX 2168 MENLO PARK, CA 94026			EXAMINER LANIER, BENJAMIN E	
			ART UNIT 2132	PAPER NUMBER
			MAIL DATE 01/08/2008	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/847,813	WOHLGEMUTH ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Benjamin E Lanier	2132	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 03 December 2007.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-3, 10-12, 19, 25, 35-37, 40, 41 and 43-50 is/are pending in the application.
- 4a) Of the above claim(s) 1-3, 10-12, 19, 25, 40, and 43-50 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 35-37 and 41 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☒ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Response to Amendment***

1. Applicant's amendment filed 03 December 2007 amends claims 35-37, 40, and 41.

Applicant's amendment has been fully considered and entered.

### ***Election/Restrictions***

2. Amended claim 40 is directed to an invention that is independent or distinct from the invention originally claimed for the following reasons:

Species 1: Claims 35-37 and 41.

Species 2: Claim 40.

3. The species are independent or distinct because each of the various disclosed species details the mutual exclusive characteristic of:

Species 1: Providing access control to streaming software to a client.

Species 2: Providing access control to streaming software to a virtual machine.

4. Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claim 40 is withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

5. This application contains claims 1-3, 10-12, 19, 25, and 43-50 drawn to an invention nonelected with traverse in the reply filed on 25 July 2007. A complete reply to the final rejection must include cancellation of nonelected claims or other appropriate action (37 CFR 1.144) See MPEP § 821.01.

### ***Response to Arguments***

6. Applicant believes the Examiner to have stated, "the cited prior art does not appear to include the language of the amended claims," in an interview conducted on 29 October 2007. However, it appears that the claims as currently amended do correspond with claim amendments that were previously discussed during the above mentioned interview. Vinson discloses a field in the streaming software request that reads on the claimed "flag" (Col. 9, lines 13-17). The remaining claims do not include a claimed "flag".

***Claim Rejections - 35 USC § 102***

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

8. Claims 35- 37, 41 are rejected under 35 U.S.C. 102(e) as being anticipated by Vinson, U.S. Patent No. 6,453,334. Referring to claim 35, Vinson discloses a method and apparatus to allow remotely located computer programs to be accessed on a local computer using a network file system that simulates a local drive on a client computer (Col. 1, lines 13-24 & Col. 2, lines 37-43). The user uses their web browser to navigate a web site, and clicks on link indicating a target program listed on a web page (Col. 5, lines 40-42). The link points to the index file for that target program. (Col. 5, lines 42-43). The web browser initiates retrieval of the index file, and based on the MIME type for the index file, knows that the index file should be downloaded to the client machine and the client agent started with the location of the index file given as an

argument to the client agent (Col. 5, lines 43-52). When authenticated the FSD will add a newly created process to its list of processes that can access the files referenced by the index file (Col. 7, lines 28-37). All file operations are handled by the FSD, which downloads, caches, decompresses, and decrypts the pieces of the program as needed (Col. 7, lines 47-50), which meets the limitation of a processing device for processing a request for access to streaming software files stored on at least one server system that is remote from said processing device. The requests include an area wherein the process ID is set (Col. 9, lines 13-17), which meets the limitation of a virtual memory subsystem for setting a flag on a request originating from code associated with an originating process in the virtual memory subsystem. For requests that contain a path, access will be granted to each top level directory in which the corresponding program descriptor block contains the current process ID in its process access list (Col. 10, lines 7-28 & Col. 14, lines 42-46). The process ID uniquely identifies the client (Col. 8, line 65- Col. 9, line 7), which meets the limitation of an identification component, associated with said processing device, for checking the flag on the request, wherein if the flag is set then the request is from a trusted process, an access component, associated with said processing device, for granting access to the streaming software files based on the originating process being a trusted process. Requests that do not contain a path are handled on a case-by-case manner (Col. 14, lines 52-53), which meets the limitation of a redirector component that is associated with said processing device for informing said processing device of one or more locations in which said streaming software files are stored

Referring to claim 36, Vinson discloses a method and apparatus to allow remotely located computer programs to be accessed on a local computer using a network file system that simulates

a local drive on a client computer (Col. 1, lines 13-24 & Col. 2, lines 37-43). The user uses their web browser to navigate a web site, and clicks on link indicating a target program listed on a web page (Col. 5, lines 40-42). The link points to the index file for that target program. (Col. 5, lines 42-43). The web browser initiates retrieval of the index file, and based on the MIME type for the index file, knows that the index file should be downloaded to the client machine and the client agent started with the location of the index file given as an argument to the client agent (Col. 5, lines 43-52). When authenticated the FSD will add a newly created process to its list of processes that can access the files referenced by the index file (Col. 7, lines 28-37). All file operations are handled by the FSD, which downloads, caches, decompresses, and decrypts the pieces of the program as needed (Col. 7, lines 47-50), which meets the limitation of a processing device for processing a request for access to streaming software files stored on at least one server system that is remote from said processing device. For requests that contain a path, access will be granted to each top level directory in which the corresponding program descriptor block contains the current process ID in it's process access list (Col. 14, lines 42-46). The process ID uniquely identifies the client (Col. 8, line 65- Col. 9, line 7), which meets the limitation of a virtual memory means, wherein the request originates from code associated with the originating process in the virtual memory means, and wherein the request is identifiable as originating from the virtual memory means, a determination means for identifying the request as originating from the virtual memory means, wherein if the request originates from the virtual memory means, the request is from a trusted process, an access means for granting access to the streaming software files based on the originating process being a trusted process. Requests that do not contain a path are handled on a case-by-case manner (Col. 14, lines 52-53), which meets the limitation of a

redirector component that is associated with said processing device for informing said processing device of one or more locations in which said streaming software files are stored.

Referring to claim 37, Vinson discloses a method and apparatus to allow remotely located computer programs to be accessed on a local computer using a network file system that simulates a local drive on a client computer (Col. 1, lines 13-24 & Col. 2, lines 37-43). The user uses their web browser to navigate a web site, and clicks on link indicating a target program listed on a web page (Col. 5, lines 40-42). The link points to the index file for that target program. (Col. 5, lines 42-43). The web browser initiates retrieval of the index file, and based on the MIME type for the index file, knows that the index file should be downloaded to the client machine and the client agent started with the location of the index file given as an argument to the client agent (Col. 5, lines 43-52). When authenticated the FSD will add a newly created process to its list of processes that can access the files referenced by the index file (Col. 7, lines 28-37). All file operations are handled by the FSD, which downloads, caches, decompresses, and decrypts the pieces of the program as needed (Col. 7, lines 47-50), which meets the limitation of a filtering means for filtering requests from an originating process for access to streaming software application program files stored remotely from said filtering means. For requests that contain a path, access will be granted to each top level directory in which the corresponding program descriptor block contains the current process ID in its process access list (Col. 14, lines 42-46). The process ID uniquely identifies the client (Col. 8, line 65- Col. 9, line 7), which meets the limitation of a virtual memory means, wherein the request originates from code associated with the originating process in the virtual memory means, and wherein the request is identifiable as originating from the virtual memory means, an evaluation for determining that the originating

process is a trusted process by identifying in the request evidence that the request originated from the virtual memory means, an access means for granting to the trusted process access to the streaming software application program files. Requests that do not contain a path are handled on a case-by-case manner (Col. 14, lines 52-53), which meets the limitation of a redirection means for revealing one or more locations in which said streaming software application program files are stored.

Referring to claim 41, Vinson discloses a method and apparatus to allow remotely located computer programs to be accessed on a local computer using a network file system that simulates a local drive on a client computer (Col. 1, lines 13-24 & Col. 2, lines 37-43), which meets the limitation of a means for virtually rendering an environment for a streamed software application process, wherein the streamed software application makes requests for access to said streaming software files. The user uses their web browser to navigate a web site, and clicks on link indicating a target program listed on a web page (Col. 5, lines 40-42). The link points to the index file for that target program. (Col. 5, lines 42-43). The web browser initiates retrieval of the index file, and based on the MIME type for the index file, knows that the index file should be downloaded to the client machine and the client agent started with the location of the index file given as an argument to the client agent (Col. 5, lines 43-52). When authenticated the FSD will add a newly created process to its list of processes that can access the files referenced by the index file (Col. 7, lines 28-37). All file operations are handled by the FSD, which downloads, caches, decompresses, and decrypts the pieces of the program as needed (Col. 7, lines 47-50). For requests that contain a path, access will be granted to each top level directory in which the corresponding program descriptor block contains the current process ID in it's process access list



(Col. 14, lines 42-46). The process ID uniquely identifies the client (Col. 8, line 65- Col. 9, line 7), which meets the limitation of a means for examining the requests for access to said streaming software files, a means for determining whether said requests can be granted based on whether the streamed software application process that is making said requests for access is a trusted process, wherein the streamed software application process is a trusted process if it is determined that the request originated from the virtual memory means. Requests that do not contain a path are handled on a case-by-case manner (Col. 14, lines 52-53), which meets the limitation of a means for providing location information to a local computing system of streaming software files that are stored on one or more remote locations. Before the target files are accessed (Col. 6, lines 52-58), authentication is performed based upon a username and password (Col. 6, lines 25-28, 47-49), which meets the limitation of a means for forwarding said requests to a corresponding server that is responsible for serving said streaming software files if said requests are granted.

### *Conclusion*

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

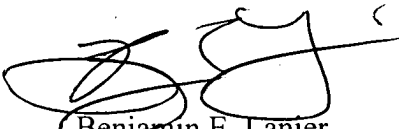
however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benjamin E. Lanier whose telephone number is 571-272-3805.

The examiner can normally be reached on M-Th 6:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Benjamin E. Lanier  
Primary Examiner